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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/562,832	02/23/2006	Abdoel Faziel Rajabali	2001-1427	8381
466 YOUNG & TH	7590 09/02/201 OMPSON	EXAMINER		
209 Madison St Suite 500	reet	WATKINS III, WILLIAM P		
Alexandria, VA 22314			ART UNIT	PAPER NUMBER
			1783	
			NOTIFICATION DATE	DELIVERY MODE
			09/02/2010	ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

DocketingDept@young-thompson.com

## Diffice Action Summary Diffice Action Summary		Application No.	Applicant(s)				
William P. Watkins III 1783		10/562,832	RAJABALI ET AL.				
The MAILING DATE of this communication appears on the cover sheet with the correspondence address — Period for Reply A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS. WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. 1- Evaluation of the many be available under the processor of 37 CPT1. 13(a). In a down. However, may a reply the time with enterough of the communication and the state of the communication of t	Office Action Summary	Examiner	Art Unit				
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1) Responsive to communication(s) filed on 12 August 2010. 2a) This action is FINAL. 2b) This action is non-final. 3 Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213. Disposition of Claims 4) Claim(s) 18 and 20-34 is/are pending in the application. 4a) Of the above claim(s) is/are allowed. 6) Claim(s) 18 and 20-34 is/are rejected. 7) Claim(s) is/are allowed. 6) Claim(s) is/are objected to. 8) Claim(s) is/are objected to. 9) The specification is objected to by the Examiner. 10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner. Application Papers 9) The specification is objected to by the Examiner. 10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152. Priority under 35 U.S.C. § 119 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). *See the attached detailed Office action for a list of the certified copies not received.	A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any						
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3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date 5) Notice of Informal Patent Application 6) Other:	1) Notice of References Cited (PTO-892)	Paper No(s)/Mail Da 5) Notice of Informal P	ate				

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DETAILED ACTION

1. The rejection given in section 2 of the detailed portion of the office action mailed 23 February 2010 is withdrawn in view of applicant's arguments presented in the amendment and supporting declaration filed 12 August 2010. In particular the examiner accepts applicant's argument that Behr et al. suggests the two outer layers being spot welded together in the perforation of the central layer and not a packet of plastic and metal layers in the opening of the central metal layer. A modified ground of rejection based on prior art is given below. The finality of the office action mailed 23 February 2010 is withdrawn in view of the modified ground of rejection given below.

2. Claim 34 is rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

The "and/or" language is indefinite. Proper language using "or" is "comprise A, B, or C". Proper language using "and" is "are selected from the group consisting of A, B, and C".

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the

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invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

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4. Claims 18, 20-34 are rejected under 35 U.S.C. 103(a) as being unpatentable over Westre et al. (U.S. 6,114,050) in view of Folkesson et al. (WO 02/098734 A1).

Westre et al. teaches a multiple metal layer laminate with adhesive inner layers between the metal layers used as an aircraft skin panel (abstract). The reference teaches reduction in the number of inner metal layers with a resulting decrease in the laminate thickness for areas that do not need to be reinforced with the central metal layers. The areas that are reinforced with extra layers are areas that transfer loads and receive fasteners (Figure 5, col. 13, lines 5-25). Folkesson et al. teaches the internal reinforcement of an aircraft skin panel by a grid shaped reinforcement member to reinforce areas that receive fasteners and to provide reinforced areas to stop crack propagation (abstract, page 5, lines 1-30). The instant invention claims outer metal layers and a central inner metal layer with openings with closed perimeters and reduced thickness of the laminate at the openings. It would have been obvious to one of ordinary skill in the art to form the central metal layers of Westre et al. with openings with closed perimeters in order to form grid shaped areas of reinforcement to hold fasteners used to join the panels to an aircraft frame and prevent crack propagation because of the teachings of Folkesson et al. Variation in the pattern of the openings, and the number and thickness of inner metal layers would depend on the specific laminate reinforcement needed for a given application and would have been obvious to one of ordinary skill in the art, as would selection of specific metal and plastic materials.

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5. Applicant's arguments with respect to claims 18, 20-34 have been considered but are most in view of the modified grounds of rejection.

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to William P. Watkins III whose telephone number is 571-272-1503. The examiner works an increased flex time schedule, but can normally be reached Monday through Friday, 11:30 A.M. through 8:00 P.M. Eastern Time. The examiner returns all calls within one business day unless an extended absence is noted on his voice mail greeting.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David Sample can be reached on 571-272-1376. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR of Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

WW/ww August 31, 2010

/William P. Watkins III/
Primary Examiner, Art Unit 1794